

REMARKS

Summary of Office Action

Claims 1, 2, 14, 15, 17, 28, 29, and 31 stand rejected under §102(e) as allegedly being anticipated by Yamazaki (US Pub. No. 2003/0027369).

Claims 3, 18, 30, and 32 stand rejected under §103(a) as allegedly being unpatentable over Yamazaki in view of Zucker et al. (US Pat. No. 6,218,682).

Claims 3, 18, 30, and 32 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Yamazaki in view of Numata et al. (US Pat. No. 5,811,352).

Claims 4-13, 16, and 19-27 stand objected to for being dependent upon a rejected base claim but were indicated as being allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Summary of Amendment

Claims 1, 4, 10, 15, 16, and 24 have been amended. In particular, claims 4 and 16 have been rewritten in independent form. Claims 33-36 have been added. No new matter has been entered. Claims 1-36 are currently pending for further consideration.

Claim Objections

Applicant wishes to thank the Examiner for indicating allowable subject matter in claims 4-13, 16 and 19-27. By the amendment above, claims 4 and 16 have been rewritten in independent form. Hence, claims 4 and 16 are now in condition for allowance. Claims 5-9 and 19-23 depend either directly or indirectly from one of claims 4 and 16. Hence, claims 5-9 and 19-23 are also in condition for allowance.

With regard to claims 10-13 and 24-27, Applicant believes that these claims are allowable for the reasons stated below and therefore defers rewriting the claims in independent form at this time.

All Claims Comply With §102 and §103

Claims 1, 2, 14, 15, 17, 28, 29, and 31 stand rejected under §102(e) as allegedly being anticipated by Yamazaki (US Pub. No. 2003/0027369), newly cited. Claims 3, 18, 30, and 32 stand rejected under §103(a) as allegedly being unpatentable over Yamazaki in view of Zucker et al. (US Pat. No. 6,218,682), newly cited. Claims 3, 18, 30, and 32 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Yamazaki in view of Numata et al. (US Pat. No. 5,811,352), also newly cited. Applicant respectfully traverses these rejections based on the following remarks.

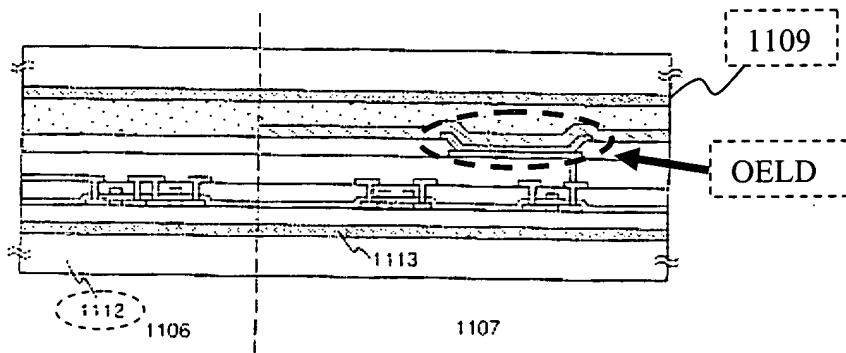
As amended, independent claim 1 recites, in part, “at least one low refractive think film formed *directly* on the substrate.” (Emphasis added.) Similarly, as amended, claim 15 recites, in part, the step of “forming at least one low refractive think film formed *directly* on a substrate.” (Emphasis added.) To the extent applicable, Yamazaki does not teach or suggest such a feature. Accordingly, Yamazaki fails to anticipate independent claims 1 and 15, as amended.

With regard to independent claims 14 and 28¹, the Office construes Yamazaki’s bonding layer (1109) of FIGs. 4A-5C as a low refractive thin film and Yamazaki’s lower substrate (1112) of FIGs. 4A-5C as the claimed substrate. (See OA: paragraph 6.) In rejecting independent

¹ Claims 14 and 28 were rejected over “Yamazaki (USPN 6,539,390).” (See OA: paragraph 6.) However, US Patent Number 6,539,390 is, in fact, granted to Fujita et al., not to Yamazaki. As the figure reference numbers discussed in the rejection appear to match with Yamazaki (US Pub. No.: 2003/0027369), any reference to the ‘390

claims 14 and 28, the Office asserts that the bonding layer (1109), i.e., the low refractive thin film, is formed *on* the substrate (1112). Construed in the manner asserted by the Office, Yamazaki fails to teach at least “an organic electro luminescence diode formed *on* the low refractive thin film (emphasis added)” as recited, in part, in independent claim 14 and at least the step of “forming an organic electro luminescence diode *on* the low refractive thin film (emphasis added)” as recited, in part, in independent claim 18. As shown in FIG. 5B of Yamazaki reproduced below, the OELD is not “on” the bonding layer (1109) if the bonding layer (1109) is construed as being “on” the substrate (1112).

FIG. 5B



For at least these reasons, Yamazaki does not anticipate independent claims 14 and 28. As claims 10-13 and 24-27, which depend from corresponding ones of claims 14 and 28, were only objected to, claims 10-13 and 24-27 are now in condition for allowance.

Dependent claims 2, 17, 29, and 31 depend from corresponding ones of independent claims 1, 14, 15, and 28. Therefore, Yamazaki fails to anticipate claims 2, 17, 29, and 31 for at least the reasons stated above. In addition, Applicant notes that while silicon dioxide is a

patent in the Office Action is considered as a typographical error for the purposes of this response.

specific material, “epoxy” is not. Therefore, the Office’s attempt to suggest that every epoxy has refraction index of 1.4 by making reference Hulse et al. (US Pat. No. 6,186,650), which states that the epoxy used in Hulse et al. has a refraction index of 1.4, is improper.

Dependent claims 3, 18, 30, and 32 depend from corresponding ones of independent claims 1, 14, 15, and 28 and therefore incorporate all the limitations of their base claims. Moreover, Zucker et al. and Numata et al. both fail to cure the deficiencies discussed above. Accordingly, Yamazaki, Zucker et al., and Numata et al., whether taken individually or in combination, fail to teach or suggest all the features of claims 3, 18, 30, and 32 for at least the reasons discussed above.

New Claims

Claims 33-36 were added. These claims are similar to originally filed claims 2, 3, 17, and 18, respectively. Hence, no new matter has been added. Moreover, claims 33-36 depend from respective ones of claims 4 and 16 rewritten in independent form to place in condition for allowance. Accordingly, claims 33-36 are also in condition for allowance due, at least in part, to their respective dependency to allowable claims 4 and 16.

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CONCLUSION

In view of the foregoing, reconsideration and timely allowance of the pending claims are respectfully requested. Should the Examiner feel that there are any issues outstanding after consideration of the response, the Examiner is invited to contact the Applicant's undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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